

ABSTRACT

1 This invention proposes to transcode the compressed
2 image, that may be in the JPEG format for example, to an
3 intermediate format that allows pseudo-random access. Such a
4 pseudo-random access would that allow efficient image
5 transformation. By using this format, in most cases a pixel
6 is decoded only once in the entire image transformation
7 process. This is certainly true for the most common
8 transformation operations such as rotation by 90, 180 and 270
9 degrees. This transcoding would enable image transformations
10 in printers whose memory is insufficient to store the entire
11 decompressed image.